4890683-(3)

AID 1020-25 (1-70) REPORT U-446

PO-AAD-458-C1

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PROJECT APPRAISAL REPORT (PAR)

1. PROJECT NO.	2. PAR FOR PERIOD:	3. COUNTRY	4. PAR SERIAL NO.
489-11-660-683	May 1973 TO 6/30/74	Korea	1974-5

5. PROJECT TITLE

SCIENCE AND TECHNOLOGY

6. PROJECT DURATION: Began FY 1973 Ends FY 1975	7. DATE LATEST PROP	8. DATE LATEST PIP	9. DATE PRIOR PAR
	11/17/72	None	None

10. U.S. FUNDING	a. Cumulative Obligation Thru Prior FY: $ 142,000.	b. Current FY Estimated Budget: $	c. Estimated Budget to completion After Current FY: $ 135,000.

11. KEY ACTION AGENTS (*Contractor, Participating Agency or Voluntary Agency*)

a. NAME	b. CONTRACT, PASA OR VOL. AG. NO.
MINISTRY OF SCIENCE AND TECHNOLOGY (MOST)	
ROKG (Block Grant)	

I. NEW ACTIONS PROPOSED AND REQUESTED AS A RESULT OF THIS EVALUATION

A. ACTION (X) USAID	A. ACTION (X) AID/W	A. ACTION (X) HOST	B. LIST OF ACTIONS	C. PROPOSED ACTION COMPLETION DATE
X		X	Execution of an amendment to the first Block Grant to provide an additional $135,000 to the Ministry of Science and Technology.	

D. REPLANNING REQUIRES REVISED OR NEW: ☐ PROP ☐ PIP ☐ PRO AG ☐ PIO/T ☐ PIO/C ☐ PIO/P

E. DATE OF MISSION REVIEW

PROJECT MANAGER: TYPED NAME, SIGNED INITIALS AND DATE

MISSION DIRECTOR: TYPED NAME, SIGNED INITIALS AND DATE

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II. PERFORMANCE OF KEY INPUTS AND ACTION AGENTS

A. INPUT OR ACTION AGENT / CONTRACTOR, PARTICIPATING AGENCY OR VOLUNTARY AGENCY	B. PERFORMANCE AGAINST PLAN: UNSATISFACTORY 1	2	SATISFACTORY 3	4	5	OUTSTANDING 6	7	C. IMPORTANCE FOR ACHIEVING PROJECT PURPOSE (X): LOW 1	MEDIUM 2	3	4	HIGH 5
1. Ministry of Science and Technology					X							X
2.												
3.												

Comment on key factors determining rating

The initial Block Grant Agreement was signed in May 1973, and the ROKG is solely responsible for the programming of the funds provided. Ministry of Science and Technology has been very active in the recruitment of consultants and scientific experts, and scientific and technological institutions. This has already resulted in promoting linkages between the ROKG and selected U.S. scientific personnel.

	1	2	3	4	5	6	7	1	2	3	4	5
4. PARTICIPANT TRAINING					X							

Comment on key factors determining rating

Although the time to program the exchange of scientific personnel has been short, MOST has already sent a number of Korean scientists to the U.S. for short-term training in various fields of science and technology. In addition, the ROKG has brought a number of prominent scientists from leading U.S. scientific institutions to assist in the upgrading of technologies at various institutions.

	1	2	3	4	5	6	7	1	2	3	4	5
5. COMMODITIES												

Comment on key factors determing rating

N/A

		1	2	3	4	5	6	7	1	2	3	4	5
6. COOPERATING COUNTRY	a. PERSONNEL					X					X		
	b. OTHER				X						X		

Comment on key factors determining rating

This evaluation is based upon the fact that the Minister of Science and Technology, the Director of the Technical Cooperation Bureau as well as a number of cooperating scientific institutions, such as the Korean Institute for Science and Technology, the Korea Atomic Energy Agency, and the Korea Advanced Institute of Science, etc., have contributed substantially in the design of programs leading to institutional linkages as well as in the recruitment of expert advisors.

	1	2	3	4	5	6	7	1	2	3	4	5
7. OTHER DONORS												

(See Next Page for Comments on Other Donors)

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II. 7. Continued: Comment on key factors determining rating of Other Donors

NA

III. KEY OUTPUT INDICATORS AND TARGETS

A. QUANTITATIVE INDICATORS FOR MAJOR OUTPUTS		TARGETS (Percentage/Rate/Amount)					
		CUMULATIVE PRIOR FY	CURRENT FY 74 TO DATE	CURRENT FY 74 TO END	FY 75	FY____	END OF PROJECT
A periodically reviewed plan by MOST and other Korean institutions concerning quality and quantity of linkages.	PLANNED	-0-	1	1	1		2
	ACTUAL PERFORMANCE	-0-	1				
	REPLANNED						
	PLANNED						
	ACTUAL PERFORMANCE						
	REPLANNED						
	PLANNED						
	ACTUAL PERFORMANCE						
	REPLANNED						
	PLANNED						
	ACTUAL PERFORMANCE						
	REPLANNED						

B. QUALITATIVE INDICATORS FOR MAJOR OUTPUTS	COMMENT:
1. **Build-up of MOST-operated systems of management, finance, and information supportive of established linkages.**	**To date, the ROKG has established professional linkages with the Battelle Memorial Institute, the Atomic Energy Commission at Argonne and Oak Ridge, the Stanford Research Institute, the National Academy of Sciences, Westinghouse Corp., the Hewlett-Packard Corp., and Bell Laboratories, to name a few.**
2. **Output of applied and adaptive research and its use by Korean industrial, commercial and technological establishments.**	**An institutional linkage in the form of an agreement has been signed with KORSTIC and the National Technology Information Service for the purpose of exchanging scientific and technological information. This relationship will serve a primary role in assuring dissemination of ROKG research products, as well as keeping ROKG researchers up-to-date in developments in their particular fields of specialization.**
3. **Utilization of linkages to improve output and utilization of technology and research.**	**See comments directly above.**

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IV. PROJECT PURPOSE

A. 1. Statement of purpose as currently envisaged. 2. Same as in PROP? ☒ YES ☐ NO

The purpose of the project is to promote linkages between MOST (or such other Korean scientific organizations as MOST may designate) and U.S. scientific organizations.

B. 1. Conditions which will exist when above purpose is achieved.	2. Evidence to date of progress toward these conditions.
MOST linkages, in a number of scientific and technological fields, with American institutions and organizations.	A number of continuing linkages between the ROKG and U.S. scientific and technological institutions have already been established. See Comments in III-B above.
MOST-operated information and linkage-promoting systems which stimulate and support American scientific and technological research interest in Korean problems.	The ROKG is collaborating with American researchers, both in public and private institutions, on subjects that are of mutual interest; for example, marine sciences, nuclear power and technology, communications systems, computer technology, energy policy formulation, etc.
Domestic scientific research and technological study capabilities steadily strengthened through linkages.	The exchange of scientists under this program has already resulted in policy formulation; for example, the exchange of personnel between Industrial Advancement Administration and the U.S. Bureau of Standards is resulting in improvement and establishment of policy directives in Korea. The Ministry of Science and Technology feels that the exchange to date has benefitted their scientific organization substantially in the upgrading of technological skills in those areas mentioned above.

V. PROGRAMMING GOAL

A. Statement of Programming Goal

To facilitate the introduction of foreign technologies so that Korean scientific and industrial research efficiency meet the needs of an expanding and changing economy.

B. Will the achievement of the project purpose make a significant contribution to the programming goal, given the magnitude of the national problem? Cite evidence.

Yes. The development of continuing linkages with U.S. scientific organizations and the concurrent transfer of innovative technology has already had significant policy implications on Korea's science and technology development. For example, the ROKG has utilized the assistance of the [illegible] consultants for the development and utilization of new energy resources, marine science research, and the improvement of industrial standards and metrology systems. According to MOST, the advisory inputs from U.S. organizations is playing a substantial role in introducing new technological dimensions in Korea's research efforts. In addition the contributions of the individual participating U.S. scientists and experts have been equally impressive and well received by the ROKG.